Table 1. RCRA LANDFILL AIR MONITORING LMC Site, The Dalles, Oregon

Date	Time	Location	Air Monitoring	aring						Notes
			LEL	CH <sub>4</sub>	$O_2$	$H_2S$	$CO_2$		HCN	Wind speed for entire event at 1-3 mph, changing
			(%)	(ppm)	(%)	(ppm)	(%)	(ppm)	(ppm)	directions.
		Vent 1								
7/7/12	10:37	Source	45	84	13	56	0.03	300	105	Readings inside vent. CH4 and HCN over limit.
	10.:45	Worker Expo	0	0	20.9	0	0.00		0	5 feet elevation above ground, one foot upwind.
	10:47	Worker Exposure 1D	0	0	20.9	0	0.00		0	5 feet elevation above ground, one foot downwind.
	10:50	10:50 Worker Exposure 5U	0	0	20.9	0	0.00		0	5 feet elevation above ground, five feet upwind.
	10:54	10:54 Worker Exposure 5D	0	0	20.9	0	0.00		0	5 feet elevation above ground, five feet downwind.
	10:56	Cross wind 1N	0	0	20.9	0	0.00		0	Cross wind - 1 and 5 ft crosswind, same criteria.
	10:59		0	0	20.9	0	0,00	>	0	
	11:02		0	0	20.9	0	0.00		0	
	11:05	Cross wind 5S	0	0	20.9	0	0.00		0	
					8.					
		Vent 2								
7/7/12	10:10	Source	52	96	12.5	57	0.04	400	93.4	Readings inside vent. CH4 and HCN over limit.
	10:16	0:16 Worker Exposure 1U	0	0	20.9	0	0.00		0	5 feet elevation above ground, one foot upwind.
	10:18	10:18 Worker Exposure 1D	0	•	20.9	0	0.00		0	5 feet elevation above ground, one foot downwind.
	10:21	Worker Exposure 5U	0	0	20.9	0	0.00		0	5 feet elevation above ground, five feet upwind.
	10:25	Worker Exposure 5D	0	0	20.9	0	0.00		0	5 feet elevation above ground, five feet downwind.
	10:27		0	0	20.9	0	0.00		0	Cross wind - 1 and 5 ft crosswind, same criteria.
	10:29	Cross wind 1S	0	0	20.9	0	0.00		0	
	10:31	Cross wind 5N	0	0	20.9	0	0.00		0	
	10:33	Cross wind 5S	0	0	20.9	0	0.00		0	
		Source	Incido van	Inside vent can at albow	W.					

Source

Inside vent cap at elbow.

LEL - Lower Explosive Limit.

CH<sub>4</sub> - Methane.

O<sub>2</sub> - Oxygen. Ambient concentration typically 20.9 percent.

H<sub>2</sub>S - Hydrogen Sulfide.

HCN - Hydrogen Cyanide.

CO<sub>2</sub> - Carbon Dioxide. Ambient concentrations typically 300-600 ppm.

Manufacturer's instructions were followed for use of portable air sampling equipment and both monitors were calibrated prior to use. Note: This air monitoing, done at request of ODEQ (Fredrick Moore), was not conducted using an approved Sampling and Analysis Plan (SAP).

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			LEL	CH <sub>4</sub>	$O_2$	H <sub>2</sub> S	$CO_2$		HCN	Wind speed for entire event at 1-3 mph, changing
			(%)	(ppm)	(%)	(ppm)	(%)	(ppm)	(ppm)	directions.
		Vent 3								
7/7/12	9:25	Source	59	94	12.4	60	0.08	800	84	Readings inside vent.CH4 and HCN over limit.
	9:30	9:30 Worker Exposure 1U	0	0	20.9	0	0.00		0	5 feet elevation above ground, one foot upwind.
	9:34	9:34 Worker Exposure 1D	0	0	20.9	0	0.00		0	5 feet elevation above ground, one foot downwind.
	9:40	9:40 Worker Exposure 5U	0	0	20.9	0	0.00		0	5 feet elevation above ground, five feet upwind.
	9:42	9:42 Worker Exposure 5D	0	0	20.9	0	0.00		0	5 feet elevation above ground, five feet downwind.
	9:44	Cross wind 1N	0	0	20.9	0	0.00		0	Cross wind - 1 and 5 ft crosswind, same criteria.
	9:46	Cross wind 1S	0	0	20.9	0	0:00		0	
	9:49	Cross wind 5N	0	0	20.9	0	0.00		0	
	9:53	Cross wind 5S	0	0	20.9	0	0,00		0	
7/7/12	9:59	9:59 Perimeter 1	0	0	20.9	0	0.00		0	Downwind.
	10:03	0:03 Perimeter 2	0	0	20.9	0	0.00		0	Move approximately 100 feet each direction.
	10:08	0:08 Perimeter 3	0	0	20.9	0	0.00		0	Move approximately 100 feet each direction.
	11:15	MW-5S	0	0	20,9	0	0.00		0	In casing.
	11:35	RCRA Sump	0	8	20.4	0	0.20	2,000	0	VOC result = 0.7.
	11:41	RCRA Shack	0	0	20.9	0	0.00		0	
		On Landfill								
7/7/12	11:50	East Cap Drain	0	0	20.9	0	0.00		0	6 inches off ground, one-half way up slope of LF
	11:55	SE Cap Drain	0	0	20.9	0	0.00		0	at all cap readings.
	12:00	SW Cap Drain	0	0	20.9	0	0.00		0	
	12:05	West Cap Drain	0	0	20.9	0	0.00		0	
	12:12	NW Cap Drain	0	0	20.9	0	0.00		0	
	12:18		0	0	20.9	0	0.00		0	
		0								

Inside vent cap at elbow.

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